

**THE ESSENTIAL FUNCTION OF TIM12 *IN VIVO* IS ENSURED BY THE
ASSEMBLY INTERACTIONS OF ITS C-TERMINAL DOMAIN**

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SUPPLEMENTARY MATERIALS DOCUMENT

Table 1: Constructs used in the study

USE	Name	Cloning
Expression in <i>E. coli</i>	pET28a Tim12	ORF (Nde1 – EcoR1)
Expression in <i>E. coli</i>	pET28a ΔN17Tim12	ORF (Nde1 – EcoR1)
Expression in <i>E. coli</i>	pET28a ΔN28Tim12	ORF (Nde1 – EcoR1)
Expression in <i>E. coli</i>	pRSETa ΔN28Tim12	ORF (BamH1 – EcoR1)
Expression in <i>E. coli</i>	pRSETa ΔC39Tim12	ORF (BamH1 – EcoR1)
Expression in <i>E. coli</i>	pGEX 4T-1 ΔC39Tim12	ORF (BamH1 – EcoR1)
Expression in <i>E. coli</i>	pET28a ΔC18Tim12	ORF (Nde1 – EcoR1)
Expression in <i>E. coli</i>	pET28a Tim9	{Vergnolle, 2007 #22}
Expression in <i>E. coli</i>	pRSETa Tim10	{Vergnolle, 2007 #22}
<i>In vitro</i> translation	pSP64 Tim12	ORF (BamH1- EcoR1)
<i>In vitro</i> translation	pSP64 ΔN17Tim12	ORF (BamH1- EcoR1)
<i>In vitro</i> translation	pSP64 ΔN28Tim12	ORF (BamH1- EcoR1)
<i>In vitro</i> translation	pSP64 ΔC39Tim12	ORF (BamH1- EcoR1)
<i>In vitro</i> translation	pSP64 ΔC18Tim12	ORF (BamH1- EcoR1)
<i>In vivo</i> complementation	pRS316 5' Tim12 3'	5' (HindIII-BamH1), ORF (BamH1- EcoR1) 3' (EcoR1-Xba1)
<i>In vivo</i> complementation	pRS316 5' ΔN17Tim12 3'	5' (HindIII-BamH1) ORF (BamH1- EcoR1) 3' (EcoR1-Xba1)
<i>In vivo</i> complementation	pRS316 5' ΔN28Tim12 3'	5' (HindIII-BamH1) ORF (BamH1- EcoR1) 3' (EcoR1-Xba1)
<i>In vivo</i> complementation	pRS316 5' ΔC39Tim12 3'	5' (HindIII-BamH1) ORF (BamH1- EcoR1) 3' (EcoR1-Xba1)
<i>In vivo</i> complementation	pRS316 5' ΔC18Tim12 3'	5' (HindIII-BamH1) ORF (BamH1- EcoR1) 3' (EcoR1-Xba1)
<i>In vivo</i> complementation	pRS316 5' cyb2(1-85)ΔN28Tim12 3'	Cyb2(1-85) (BamH1-BamH1) ΔN28Tim12 (BamH1-EcoR1)
GAL1-10 TIM12 strain	M4801	GAL 1-10 promoter_KANMX4 (ScaI-BamH1)
GAL1-10 TIM12 strain	pSP64 5' Tim12	5' (HindIII-BamH1) ORF (BamH1-EcoR1)
GAL1-10 TIM12 strain	pSP64 5' KANMX4 GAL1-10 TIM12	KANMX4 GAL1-10

ref. 21
ref. 21

Table 2. Oligonucleotides used in the study

Name	Sequence 5' to 3'
Tim12 forward BamH1	CGG GAT CCA TGT CGT TCT TTT TAA ATA
Tim12 reverse EcoR1	GGA ATT CCT ATT TTT TGG AAT CAT CAG
ΔN17 Tim12 forward	CGGGATCCATGAAGCTAGACGTTGCAGGAGTG
ΔN28 Tim12 forward	CGGGATCCATGIGCTCGACTTTCAAC
ΔC39 Tim12 reverse	GGAATTCCTACATCTTTGCCACACATCTG
ΔC18 Tim12 reverse	GGAATTCCTACTGATTCTCTGGCCCGAAAC
Tim12 promoter (5') forward	GCGCGCAAGCTTCTAAACTATTTGACCACCGC
Tim12 promoter (5') reverse	GCG CGC GGA TCC CTT TTC TTG GTG CAC TTT AAT ATT ATA C
Tim12 terminator (3') forward	GCGCGCGAATTCCTGTAAATATGAGGACTGTC
Tim12 terminator (3') reverse	GCGCGCTCTAGACACCCAGCGCCTTACATACTTG
KANMX4 reverse	TGCATTTCTTTCCAGACTTG
Cyb2 forward	CGGGATCCATGGGTATGCTAAAATACAAACC
Cyb2 (1-85) reverse	GCGCGGATCCATCCAGTTTCGGCTC